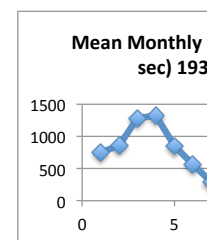


Table RMT 10 - Monthly Mean Discharge of Concord River in Ft³/sec, 1923-2013

Record	Year	1	2	3	4	5	6	7	8	9	10	11	12	Mean
1	1937	1135	934	991.2	992.9	945	544.5	211.1	106	166.6	177.3	460.5	1137	650
2	1938	908.5	1381	874.3	790.2	566.9	532.2	1512	1208	1151	835.4	553.4	1080	949
3	1939	542.2	652.6	1448	1985	637.8	254.9	123.8	130.7	91.2	90.1	289.6	229.5	540
4	1940	273	317.6	900.5	2189	971.4	599.8	303.9	107.1	100	105.3	464	495.2	569
5	1941	516.4	768.5	632.7	697.5	283.1	160.1	91.7	66.2	55.5	38.3	114.5	158.4	299
6	1942	244.9	436.7	1491	876.2	379.8	284.1	234.1	278.5	109.5	135.5	325.4	808.3	467
7	1943	705	756.4	1384	778.2	965.3	477	127.4	136.5	76.9	138.7	410.4	231.6	516
8	1944	180.6	355.4	713.5	1040	591.3	298.2	235.9	90.1	196.4	130.5	253.1	704	399
9	1945	569.4	434.3	1668	728.6	964	631.1	393.5	199.9	125.1	121.7	360.3	918.7	593
10	1946	1049	735.5	1468	630	659.8	851	143.9	321	245.9	324.5	167.2	291.1	574
11	1947	449.7	709.8	1088	779.7	901.7	429.7	204.8	155.5	152.4	81.5	339.8	252.9	462
12	1948	236.7	442.4	1567	1153	681.1	962.3	504.5	197.3	71.8	84.9	355	315.1	548
13	1949	473.2	734.5	897.1	773.4	457.8	173.3	50	36.6	64.5	59.4	91.1	145.9	330
14	1950	334.5	403	843.8	960.1	535.8	189	76.2	100.4	104.8	118.2	230.5	662.3	380
15	1951	668.7	1348	1287	1321	617.8	636.3	324.1	310.3	184.9	300.8	1460	1010	789
16	1952	1378	1361	1509	1178	1047	914.6	176.5	393.9	249.2	230.5	283.2	493.4	768
17	1953	770.3	1385	1561	2303	1366	374.4	163.8	133	103.9	142.1	446.1	925.5	806
18	1954	626.1	705.9	984.8	1035	1599	730.7	251.5	291.4	1694	794.9	1022	1465	933
19	1955	1086	765.3	1237	892	642.4	319.4	222.5	1403	1027	1257	1866	753.1	956
20	1956	1403	1193	1436	2277	1077	508.5	222.9	105.4	162.1	265.6	349.4	542.8	795
21	1957	597.7	724.1	915.4	1041	475.8	224.1	85.5	45.5	25.4	38.4	180.6	411.2	397
22	1958	1074	1337	1910	1829	1154	365	168.1	199.2	272.6	401.4	502.7	642.5	821
23	1959	520.2	575.7	1344	1297	623.2	370.3	693.3	345.4	332.3	349.3	672.3	1074	683
24	1960	1213	1035	1614	760.3	502.4	205.5	218.3	356.5	293	611.3	502.4	559.8	656
25	1961	559.8	608.9	1610	1812	958.9	460.8	216.4	140	343.6	565.2	471.3	533.9	690
26	1962	1056	591.4	1398	1721	685.9	424.2	141.5	109.6	130.1	1079	873.1	949.1	763
27	1963	603.4	567.7	1445	1360	548.8	202.8	80	48.2	45.3	69.2	475.7	667.4	509
28	1964	661.1	1014	1247	1225	433.6	116.2	138.1	66.6	58.9	87.8	122.6	294.1	455
29	1965	359.5	472.6	794.8	616.5	371.7	191	61.9	45.2	56	90.2	86.9	132.9	273
30	1966	160	479.4	875.6	377	371.5	197.7	51.2	33.1	59	109.2	328.8	216.7	272
31	1967	386.4	470.3	779.8	1443	1235	810.2	388.2	219.6	147.8	196.6	284.3	584.6	579
32	1968	284.3	584.6	488	616.3	1931	1108	565	729	594	105.8	63	71.6	595
33	1969	507.9	479.5	1127	1862	744.2	159.1	88.2	154.7	164.6	186.7	770.1	1046	608
34	1970	1051	1856	1030	1655	716	445.1	190.4	112.5	129.5	150.2	333.7	412.8	674
35	1971	371.4	556.7	1549	1145	924.8	332.7	92.9	107.5	116.3	125.5	202.6	524.6	504
36	1972	536.9	635.8	2236	1478	1383	1289	670	212.6	204.2	294.6	955.4	1503	950
37	1973	1159	1252	1018	1351	932.1	569.4	656.9	352.6	204.1	167.1	352.4	1050	755
38	1974	1070	1111	1139	1191	792.4	449.8	222.5	72.5	301.6	436.6	463	907.9	680
39	1975	1068	980	1195	1039	447.8	298.4	98.8	139	267.6	782.9	1173	1159	721
40	1976	1267	1678	1307	815.3	672.5	184.6	100.7	305.5	200	301.6	233	251.7	610
41	1977	240.3	290.1	1856	1496	1142	339.1	147.3	201.2	213.8	738.8	1003	1263	744
42	1978	1504	1325	1407	1972	828.5	522.3	150.3	246.2	105.4	183.4	188.4	434.1	739
43	1979	1996	1667	1592	1175	1014	611.6	271.7	481	476.7	624.5	896.5	644.9	954
44	1980	453.3	230.3	869	1480	992.5	344.7	230.1	194.5	93.3	220.5	276.8	360	479
45	1981	149.7	685.7	1196	689.5	558.6	235.9	295.5	138.1	191.4	310	652.6	1026	511
46	1982	1214	1257	1140	1182	606.8	2502	589	439.2	179.8	332.2	427.6	352.6	852
47	1983	617.5	1190	2510	2061	1230	605.3	170.7	82.4	118.5	221.9	725.4	1587	927
48	1984	824.3	1551	2000	2360	1233	1923	623.2	217.2	133.6	184.3	331.2	467.7	987
49	1985	386.4	477.9	628.8	469.7	446.7	278.1	188.6	287.3	387.1	432.9	918.1	760.6	472
50	1986	661	892.7	1421	791.4	377.2	922.1	432.9	307	143.7	155.8	547.6	1570	685



51	1987	1073	589.5	1163	3149	1230	337.9	146.4	93.9	274.7	284.7	310.9	518.5	764
52	1988	356.2	826.5	905	837.3	875	387	292.6	223.9	153.6	183.3	606.1	450.2	508
53	1989	255.4	322.1	478.9	1255	1147	655	290.6	539.3	359	802.4	1147	481	644
54	1990	490.9	1427	986.6	1169	1052	648.5	226.5	463.7	207.1	788.3	790.5	807.4	755
55	1991	745.2	977	1099	797.8	794	218.6	109.5	508.2	420.7	651.8	875.9	1052	687
56	1992	791.1	663.9	928	984.9	665.8	616.4	227.8	369.6	233.8	220.7	471	1094	606
57	1993	1089	741.7	1057	2829	781.3	235.8	69.2	88.7	203.9	252.5	436.7	1055	737
58	1994	633.2	782.6	1943	1762	1061	318	122.2	299.3	333.3	304.4	338.2	1011	742
59	1995	1316	784.4	1062	679.8	471.9	232.6	131.4	102.2	49.3	391.9	930.2	572.6	560
60	1996	1039	1692	1408	1610	1216	452	557.3	239.1	376.7	1320	1013	1853	1065
61	1997	1102	1011	966.9	2062	1003	310.2	125.5	88.5	69.4	79.9	359.1	324.9	625
62	1998	1067	1380	2053	1057	1446	1655	770.6	206.9	108.9	477.6	250.5	338.2	901
63	1999	855.2	1281	1233	638.2	367.2	139.4	106.6	42.9	345.4	305.5	320.1	446.8	507
64	2000	500.9	596.9	1266	1376	1171	847.7	203	272.4	124.4	153.8	401.8	573.2	624
65	2001	362.6	517.4	1668	2297	396.9	754.6	342.1	149.6	63.2	67.5	86.3	183.4	574
66	2002	251.9	335.7	494.4	673	904.6	657.6	134.4	47.9	136.7	283.1	561.7	1103	465
67	2003	783.4	553.4	1430	1769	750.3	1163	381.9	473	255.6	318.1	740.2	1088	809
68	2004	627.5	388.1	587.9	2220	958.6	371.2	237.5	383.4	464	551	481.3	1248	710
69	2005	1380	1216	1181	2048	1294	939.1	577.7	118.9	112.7	1460	1355	1247	1077
70	2006	1552	1566	683.1	594.2	1923	1979	624.7	244.8	256	404.5	1103	820.5	979
71	2007	849.7	333.4	1230	2282	1509	774.3	248.1	90.1	68.9	77.6	203.4	254.5	660
72	2008	726.5	2061	2247	1255	812.2	305.5	564.7	782.6	827	687.1	607.8	1809	1057
73	2009	1176	918.5	1245	1211	653.6	510.9	1287	784.7	358.6	488.5	787.6	1091	876
74	2010	914.6	1054	3514	2602	596.2	366.4	94.6	85.1	66.3	287.2	441.1	551	881
75	2011	421.6	577.2	2229	1348	859.7	539.1	283.1	506.4	1150	1140	1196	1474	977
76	2012	900.9	758	777.8	499	668.4	454.4	131.5	208.9	116.8	264.4	518.7	525.2	485
77	2013	613.7	609.3	1665	843.7	396.7	1540	491.9	240.3	156.4	93	154.1	360.6	597
78	2014	734.4	449.3	848.4	1857	859.3	358.4	201.9	162	77.6	0	0	0	

	1	2	3	4	5	6	7	8	9	10	11	12
Mean	752.7	856.5	1282	1326	847.3	568.3	289.51	256.1	249.9	350.3	530	723.2
SD	387.7	423.6	507.1	612.3	356.5	446.1	255.49	240.4	278.2	319.8	361.8	432.4

Notes:

See file RIV-Data DamWaterHeightPeakQ for Calculations of about 2 ft for the 5000 cuft/sec peak flow from 1940-2013

On nine separate 9 times in this interval the flow has exceeded 5000 with te highest approaching 6000

Average peak discharges in spring freshet (march/april for period 1940-2014) are 3000 ish, roughly twice mean monthly for those months

This shows colossal buffering of the meadows and water storage

Minimum summer discharge mean monthly in Sept of (249.9 cu ft/sec) is more than an order of magnitude below the peak discharge in spring freshet.